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## CHAPTER III

### METHOD OF THE RESEARCH

#### A. The Research Design

This research employed mixed method design, which were descriptive quantitative and descriptive qualitative. Creswell stated that mix method design is a procedure for collecting, analyzing, and mixing both quantitative and qualitative methods in a single study or series of studies to understand a research problem. (2012, p. 535). Descriptive Quantitative was used to analyze student's writing ability on announcement text and descriptive qualitative was used to find out the factor contribute to the students in writing announcement text. This research was conducted in a class of tenth grade students of State Senior High School 1 Simpang Kanan, Rokan Hilir Regency.

#### B. The Time and the Location of the Research

This research was conducted on April-Mei 2018. The research was conducted at State Senior High School 1 Simpang Kanan, Rokan Hilir Regency. It is located in Simpang Kanan, Rokan Hilir Regency.

#### C. The Subject and the Object of the Research

##### 1. The subject of the Research

The subject of this research were the tenth grade students of State Senior High School 1 Simpang Kanan, Rokan Hilir Regency in academic years of 2017/2018.

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## **2. The Object of the Reasearch**

While the object of this research was an analysis of students' writing ability in writing announcement text and the factors contribute to students' writing ability in writing announcement text at the tenth grade students of State Senior High School 1 Simpang Kanan, Rokan Hilir Regency.

## **D. The Population and the Sample of the Research**

### **1. Population**

The population of the research was the tenth grade at State Senior High School 1 Simpang Kanan, Rokan Hilir Regency 2017/2018. According to Gay (2009) population is the group of interest to the researcher, the group to which she or he would be like the result of the study to be generalized. The total number of students at the tenth grade of State Senior High School 1 Simpang Kanan, Rokan Hilir was 189 students. They were consists of six classes. They could be shown as follows:

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**Table III.1**

**The population of the tenth grade students at SMAN 1 Simpang Kanan**

**Rokan Hilir 2017/2018**

NO	Class	Male	Female	Students
1	X MIA 1	15	18	33
2	X MIA 2	12	20	32
3	X MIA 3	12	19	31
4	X MIS 1	12	21	33
5	X MIS 2	10	20	30
6	X MIS 3	9	21	30
Total	6 Classes	70	119	189

**2. Sample**

According to Guy (2009) sample is the process of selecting a number of individuals for a study in such a way that individuals represent to larger group from which that were selected. In this research, the researcher used simple random sampling and convenience sampling. Simple random sampling was used for the first research question, the sample can be done by drawing name out of a container until the require number is reached. Cohen (2007) stated that Simple random sampling involves selecting a random from a list of the population, the required number of subjects for the sample. To determine the amount of the population, Arikunto (2007) stated that if the population is more than 100, the researcher might take the sample 10%-15% or 20%-25% of the total population. Based on the statement above, the researcher took 30 students

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from members of population. From 5 classes, the researcher took 5 students in each class. For interviewing students, researcher used convenience sampling. Cohen (2007) stated that Convenience sampling involves choosing the nearest individuals to serve as respondents and continuing that process until the require sample size has been obtained or those who happen to be available and accessible at the time. Convenience sampling is the sample take from those who have the easy access to be as sample.

**Table III.2**

**The sample of the tenth grade students at SMAN 1 Simpang Kanan Rokan Hilir 2017/2018**

No.	Class	Students
1.	X MIA1	5
2.	X MIA 2	5
3.	X MIA 3	5
4.	X MIS 1	5
5.	X MIS 2	5
6.	X MIS 3	5
Total	6 Classes	30

**E. Technique of Collecting the Data**

Collecting the data for this study was analyzed quantitatively and qualitatively. Quantitative data was analyzed the students' writing ability in writing announcement text, then qualitative data was found out the

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factors contribute to students' in writing announcement text. This study was used two instruments to collect the data. For answering the first research question was used test to analyze the students' writing. While answering the second research question was used interview to find out the factors contribute to students' writing in announcement texts at the tenth grade of State Senior High School 1 Simpang Kanan, Rokan Hilir Regency.

### 1. Test

A test is a tool to measure the ability, knowledge, achievement or performance of a person. It is pertaining to the statement stated by Brown that a test is a method to measure a person's ability, knowledge, or performance in a given domain. A valid test should be appropriate, meaningful, and useful in terms of the purpose of the assessment. According to Hughes (1992), the best way to test people' writing ability is to get them to write. Therefore in this research, the researcher used a written test to measure the students' writing ability. In this test, the researcher asked the correspondent to write announcement text bases on the provided theme. The instrument is attached in Appendix 3.

### 2. Interview

Maxwell (1996) stated that an interview is useful in gaining a description of what was observed. In this study, researcher used semi-structured interview for interviewing the students. Semi-Structured interview was used to interview the 10 students of the tenth grade at State



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Senior High School 1 Simpang Kanan Rokan Hilir Regency. Interviewing in this research was focused on question to find out factors contribute to students' writing ability in announcement text.

David & Sutton (2004, p. 87) Stated that semi-structured interviews are not standardized and are frequently used in qualitative research. In this type of interview the order of the question can be changed depending on the direction of the interview. Researcher asked some question to the students about their understanding about announcement text, and found out the factors contribute to students' writing ability in announcement text at the tenth Grade of State Senior High School 1 Simpang Kanan Roakn Hilir Reecny.

### 3. Validity

Before the test and interview was given to the students, researcher analyzed the validity of the test and interview first. According to Pallant (2011), validity of a scale refers to the degree to which it measures what it is supposed to measure. He also stated that there are three types of validity: content validity, criterion validity and construct validity.

#### a. *Validity of the Writing Test*

The test was used to the students' writing ability should be valid and reliable. In this research, researcher used content validity to know the validity of writing ability test. According to Brown (2003), content validity is partly a matter of determining if the content that the instruments contains is an adequate sample of the domain of content it is supposed to

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represent. Thus, the test was given based on the materials that have been studied by the students. The materials of the test were taken from the syllabus at the tenth grade of State Senior High School 1 Simpang Kanan, Rokan Hilir Regency.

#### b. *Validity of Interview*

The validity of interview session is used construct validity. Construct validity is concerned with the validity if empirical measures and hypothesis testing of theoretical concepts. The frameworks suggested by Brown based on the factors contribute to students writing ability:

A. Personality factors, these factors come from the students themselves that consist of physiological aspect such the affective domain, motivation, the neurobiology of affect, and measuring affective factors (Brown, 2000: 143-167).

1. The affective domain is the emotional side of human behaviors such as self-esteem, inhibition, risk-taking, anxiety, empathy, and extroversion.
2. Motivation is probably the most frequently used catch-all term for explaining the success or failure of virtually any complex task such as instrumental and extrinsic motivation.
3. The neurobiology of affect is likely to enlighten our current understanding of the psychology of the brain and its effect on human behavior.

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B. Social cultural factors, these factors consist of social and environmental such as attitudes, second culture acquisition, social distance, and culture in the classroom Brown.

#### 4. Reliability

According to Gay (2012, p. 169), reliability is the degree to which a test consistently measures whatever is measuring. It means that the scores should be nearly the same when researchers administer the instrument multiple times at different times. So, it is clear that reliability is used to measure the quality of the test scores and the consistency of the test.

##### a. Reliability of the Writing Test

In obtaining the reliability of the test, the researcher used inter-rater reliability formula because the researcher used two raters in assessing and giving the score of students' ability in writing announcement text. Brown (2003, p. 21) says that inter-rater reliability occurs when two or more scores yield inconsistent scores of the same test, possibly for lack of attention to score criteria, inexperience, inattention or even preconcieved biases.

The following table described the reliability between scores given by rater 1 and rater 2 by using SPSS 20 version.



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**Table III.3**  
**Reliability Statistics of Writing Test**

Symmetric Measures		Value	Asymp. Std. Error <sup>a</sup>	Approx. T <sup>b</sup>	Approx. Sig.
Measure of Agreement	Kappa	.630	.169	4.437	.000
N of Valid Cases		10			

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

From the table above, it showed that the calculation of inter-rater agreement shows a good level of agreement.

*b. Reliability of Interview*

The guiding question of this interview is attached in appendix 4, was tried first to find out the reliability and whether the questions were understandable for the students or not. To find out the reliability of the interview in this research, researcher uses inter-rater reliability. The researcher chose inter-rater reliability because the result of interview would be coded by two raters.

**F. Technique of Analyzing Data**

The process of analyzing data was done after students completed writing test and interviewed session. There were many ways in assessing students' writing test that applied in this study. In this study, the assessment was involved two assessors, the rater as the first assessor and the researcher as the second assessor. The focus of assessing would be on:

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1. Students' writing ability in writing announcement text at the tenth Grade of State Senior High School 1 Simpang Kanan Rokan Hilir Regency based on components that should be considered to scores' writing ability: Content, Organization, Vocabulary, Language Use and Mechanics.
2. The factors contribute to students' writing ability in writing announcement text at the tenth Grade of State Senior High School 1 Simpang Kanan Rokan Hilir Regency.

**1. Data Analysis for Writing Test**

Writing test did to analyze the students' writing ability in writing announcement text at the tenth Grade of State Senior High School 1 Simpang Kanan Rokan Hilir Regency based on components that should be considered to scores' writing ability: Content, Organization, Vocabulary, Language Use and Mechanics. Based on the theories above, the assessing rubric applied in this research is as follows:

**Table III.4**

**Writing Announcement Form Score**

**Assessment Aspect of Announcement Text**

No	Aspect Assessed	Score			
		1	2	3	4
1	Content				
2	Organization <ol style="list-style-type: none"> <li>a. Stating Purpose</li> <li>b. Stating day, date and time</li> <li>c. Stating place</li> <li>d. Informing sender</li> </ol>				

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3	Vocabulary				
4	Language Use <ol style="list-style-type: none"> <li>a. Simple past tense</li> <li>b. Simple Future tense</li> <li>c. Exact noun</li> </ol>				
5	Mechanics (Spelling and Punctuation)				
Total					
Maximum Score		20			

#### Explanation of the Score:

- 1= Incompetent
- 2= Competent Enough
- 3= Competent
- 4= Very Competent

$$\text{Final Score} = \frac{\text{Total Score}}{20} \times 100$$

Assessing the students writing ability in announcement text, the researcher used the assessing that explained above. All of the indicators of writing announcement text divided by five criteria rating the students writing analytical exposition text follows:

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**Table III.5**

**Table of classification of students' score**

Scores Level	Category
80 – 100	Excellent
66 – 79	Very Good
56 – 65	Good
46 – 55	Fair
0 – 45	Poor

(Sudjiono, 2009)

To know the percentage of students writing test, the writer use formula as follows:

$$P = \frac{f}{n} \times 100 \%$$

Notation:

P = percentage points

f = percentage frequencies being sought

n = number of the cases (the frequency/number of individuals)

100% = remains numbers

## 2. Data Analysis for Interview

Interviewing the students did to find out the factors contribute to students' writing ability in writing announcement text. In analysis the data interview would be done after interview the students. For student's interview session, students invited to talk about their feeling in writing



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announcement text. The face-to-face interview held approximately of 2 minutes for both samples. The students supposed to feel free, relax and talk about anything that they felt in writing announcement text. After interviewing the students, researcher analyzed the data by transcribe the data that the researcher have been collected. The students' answer would be discussed to identify factors contribute to students' writing ability in writing announcement text by two raters. Data analyzed by using data reduction techniques. Here were data reduction techniques:

1. Transcribing

Transcribing organize and prepare the data for analysis. In this research, researcher will transcribe the data the researcher has collected especially from the interview.

2. Coding

After the result of interview has transcribed, the next technique is coding. Coding is the process of organizing the data by text or images. In this research, the data will be coded by two raters.

3. Interpreting

Interpreting the data is interpretation in this research take the flexible to convey personal.